Only 38 mm thick, HD-ready, fanless and low power usage

System XS3510MA

Ultra-Small-Form-Factor-PC

The Shuttle XS 3510MA is a complete Mini-PC in the 1-litre class with Windows 7 Home Premium operating system. Intel's Atom D510 Dual Core Processor (2x 1.66 GHz) and the NM10 Express chipset serve as the energy-saving hardware platform. A high-performance Next-Generation NVIDIA ION graphics card (ION2) provides streaming 3D and video playback. Thanks to the HDMI connection there is also excellent sound and picture quality. Other front and rear connections include 5 x USB, VGA, LAN and Audio. For wireless communication, WLAN (n) is already integrated. The small casing includes a card reader, 2GB DDR2 memory, a 500GB hard disk and a DVD writer in slimline format. The XS 3510MA is 100% passively cooled, and thus virtually noiseless.

Fanless

Feature Highlights

Chassis	• Slim 1.5 litre chassis • Dimensions: 25.2 x 16.2 x 3.84 cm • Hole for the Kensington Lock • Optional: VESA75/100 mounting kit PV01
Operating system	• Windows 7 Home Premium
CPU	• Intel ATOM D510 Dual Core (Pineview-D)
Chipset	• Intel NM10 Express Chipset
Graphics	• Discrete Next Gen. NVIDIA ION graphics, 512MB DDR3, HDMI and VGA outputs
Memory	• 2GB DDR2-667 SO-DIMM module
Storage	• Super-Multi DVD writer in slim-line format • 500 GB SATA hard disk (2.5") • With 4-in-1 card reader
Connectors and WLAN	• HDMI (Digital Video & Digital Audio) • D-Sub VGA • 5x USB 2.0 (1x front, 4x rear) • Microphone input • Headphones output • LAN • WLAN 802.11 b/g/n
Power supply	• External 40W fanless power supply
Applications	• Basic and Home-Media

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Bestellnummer:
PET-XS351MA1

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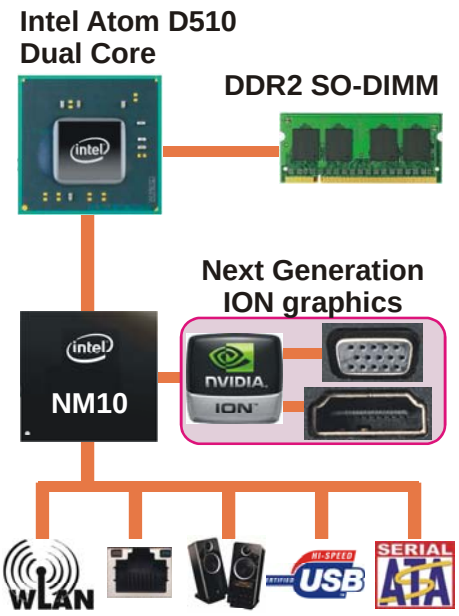
Shuttle Ultra-Small-Form-Factor-PC XS 3510MA - Product Features

Slim and stylish

Designed as a space-saver, this sleek 1.5 litre nettop PC only measures 3.8cm in width. It maximizes space whether it is placed upright using its stylish stand or affixed to the back of a display with the optional VESA mounting kit (PV01). Due to its small size and flexible design, this practical nettop offers exceptional functionality and is well-suited for home users, small offices, reception areas, classrooms, libraries, showrooms, call centres, public institutions and more.

Fanless and quiet

The Shuttle XS 3510MA comes totally fanless making it perfect to be used in noise-sensitive environments such as living rooms, hospitals, libraries etc. As an additional benefit, fanless cases rarely gather dust on the inside and stay cleaner than others. So it's not only quiet and low in energy use, but also dust-free and virtually maintenance free.



The Atom processor integrates the memory controller

Shuttle XS 3510MA is equipped with Intels new Atom processor, codenamed Pineview. It comes with both the memory controller and graphics core on-die which helps to keep heat dissipation and memory latency low. The CPU is connected to the Southbridge NM10, codenamed Tiger Point.

Dual Core. Do more.

Shuttle always uses the dual-core variant of Intel's Atom processors and thus integrates the Atom D510. This boosts the system performance significantly with particular regards to multi-threaded applications.

Next Generation ION graphics

Even with the small size, the Shuttle XS 3510MA is equipped with NVIDIA's Next Generation ION graphics for a power-packing slim PC that's unmatchable in size and performance – and is made for more than just entertainment. Key benefits are:

- Digital HDMI output to connect to large displays
- Digital Audio output over HDMI
- Experience video playback at full-HD 1080p resolution
- Ready to take on games
- HDMI and VGA supports dual view (clone or extended mode)

4-in-1 card reader

The built-in 4-in-1 card reader at the front side makes it easy to transfer files from your camera so you can share videos and photos on your XS 3510MA with ease.

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Highly energy-saving

The XS 3510MA barely consumes, depending on system load, about 20.5~29 Watts. Running the device*) 5 days a week for eight hours a day, the annual consumption would amount to approx. 60kWh which would mean just 12 Euros on the power bill (20 Euro ct/kWh) - way less than a conventional desktop PC draws.
*) Based on a configuration with 2GB of memory, 500GB hard disk, DVD drive and Windows 7

Excellent media playback

The Shuttle XS 3510MA is a fully capable desktop with advanced graphics and impressive multimedia features. Equipped with Next Generation NVIDIA® ION™ graphics processor, the system can handle a wide variety of computing needs including high definition video, gaming, sharing digital photos, surfing the web, and other tasks consumers expect from full-size systems. Enjoy full HD 1080p video playback via HDMI and flawless Flash 10.1 playback from YouTube in high definition.

Kensington Lock

This is a small, metal-reinforced hole as part of an anti-theft system. As known from notebooks, this Mini-PC can also be safely locked by tieing it to a solid object.
(The lock-and-cable apparatus is not included.)

Optional VESA mount (Accessory PV01)

Its optional VESA75/100 wallmount allows it to be installed on to walls or just affixed on the rear side of a monitor which is particularly interesting for the industry segment, company buildings and public institutions.

Tiny power adapter

The external 40W power adapter is virtually noiseless and can easily be hidden behind the desk thanks to its tiny dimensions.
Dimensions: 89.5 x 37 x 26.5 mm (LWH) = 88ml

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Shuttle XS 3510MA Specifications

Chassis	Dimensions without stand: 25.2 x 16.2 x 3.85 cm (DxHxW) = 1,57 litre Dimensions with stand: 25.2 x 18.5 x 10.04 cm (DxHxW) Hole for the Kensington Lock at the back panel Optional accessory: 75mm and 100mm VESA mounting kit (PV01) Warning: Please make sure the system is always placed upright using either its stand or the optional VESA mount. Ventilation holes must not be blocked to ensure sufficient cooling.
Operation System	Microsoft Windows 7 Home Premium 9 languages available: German, English, French, Dutch, Italian, Spanish, Swedish, Finnish, Danish
Processor	Intel Dual-Core Atom processor D510 (Codename: Pineview-D) 45nm manufacturing process, FCBGA559 Intel Hyper-Threading technology: 2-threads per core Intel 64 architecture, Core clock: 1.66GHz, L2 Cache: 1024kB , TDP: max. 15W Integrated North Bridge with controller for memory and graphics
Cooling	Passive, completely fanless cooling
Chipset	Intel® NM10 Express Chipset Platform Controller Hub (PCH), Code name: Tiger Point
BIOS	AMI BIOS in a 2Mbit Flash ROM supports PnP, ACPI 3.0 Supports external USB flash memory card boot up
Memory	2048MB DDR2-667 (PC5300) One SO-DIMM module with 200 pins
Optical drive	Optical Super-Multi writer drive in slimline format Serial ATA interface, 12.7mm height
Hard disk drive	500GB Serial ATA hard disk 6.35cm/2.5" format (5400 RPM)
Discrete Graphics	Graphics processor: Next Generation NVIDIA ION Power consumption: TDP = 12 Watts Video RAM: 512MB DDR3 DirectX 10.1 Two display ports: - Digital HDMI v1.3 output (DVI via adapter), max. 2560 x 1600 - Analog VGA output, max. 2048 x 1536 - Supports Extended Desktop Mode and Clone Mode NVIDIA PureVideo HD supports full HD decode (1080i/p) Supports Blu-ray play back in combination with an optional slim-line Blu-ray drive and appropriate software

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Integrated Audio	IDT92HD81 Audio Codec with Azalia support Two analog audio connectors (3.5mm): 1) Line out (head phone) 2) microphone input Digital Audio via HDMI port
Card Reader	4-in-1 card reader at the front side Supports SDHC, SD, MS und MS-pro memory cards PCIe Interface
Wired Network	RJ45 connector supports 10/100 Mbit/sec., PCI-Express x1 interface Supports Deep Sleep Mode (DSM) Combo controller JMC261 (for LAN and card reader)
Wireless Network	Supports IEEE 802.11b/g/n Half size Mini-PCIe-Card
Connectors	HDMI v1.3 supports Digital Video and Digital Audio VGA Analog Video (D-Sub 15 pol., analog) 5x USB 2.0 (1x front, 4x rear) Network (LAN, RJ45) Audio Line-out (head phone) Microphone input DC input for power adapter
LEDs and Buttons	Power button Power LED (white), Hard disk LED (blue)
Power supply	External 40W AC/DC power adapter (fanless) AC Input: 100~240V AC, 50~60Hz Dimensions: 89.5 x 37 x 26.5 mm (LWH)
Certification and Compliance	EMI: CE, FCC, BSMI, C-Tick Safety: CB, BSMI, ETL Other compliances: RoHS, Eup Lot6

Shuttle® XS35/GT Product Overview

Graphics	Model name	Type	Operation System	Memory	Hard Disk	DVD R/W	Bar Code
Integrated (IGP) Intel GMA3150 VGA	XS35	Barebone	–	–	–	–	811686003274
	XS35-703	System	–	2 GB DDR2	160 GB	–	811686007920
	XS35-704	System	–	2 GB DDR2	320 GB	Yes	811686007937
	XS 3500BA	System	Window 7 Prof.	2 GB DDR2	160 GB	–	4046047102181
	XS350VA	System	OpenSUSE Linux	2 GB DDR2	160 GB	–	4046047102204
Next Generation NVIDIA ION HDMI + VGA	XS35GT	Barebone	–	–	–	–	811686003281
	XS35GT-804	System	–	2 GB DDR2	500 GB	Yes	811686007982
	XS 3510MA	System	Win 7 Home Premium	2 GB DDR2	500 GB	Yes	4046047102198

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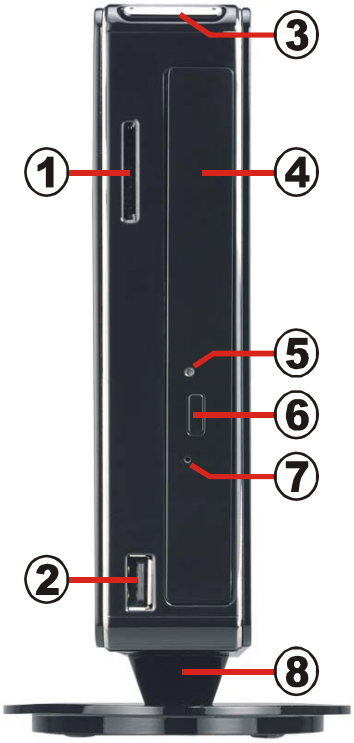
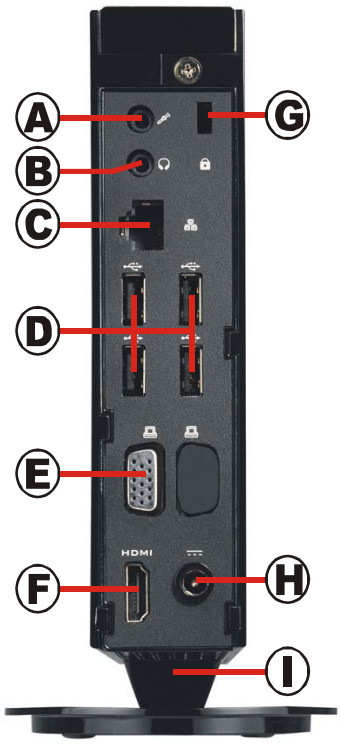
Shuttle XS 3510MA – Connectors

Front Panel



1	4-in-1 card reader
2	USB connector
3	Power button with power and hard disk LED
4	Super-Multi DVD writer (slimline format)
5	Status LED (DVD writer)
6	Eject button (DVD writer)
7	Emergency hole (DVD writer)
8	Stand

Back Panel



A	Microphone input
B	Head phone output (line out)
C	Network connector (RJ45)
D	4x USB connectors
E	VGA connector
F	HDMI connector
G	Hole for the Kensington lock
H	Connector for power adapter
I	Stand

Notes: The right D-sub port will not be functional and be covered with a cap.

Warning:
Please make sure the system is always placed upright using either its stand or the optional VESA mount. Ventilation holes must not be blocked to ensure sufficient cooling.

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